



T.O
#3
Docket No.: 027929.101-US00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:
Tetsumasa Ito

Application No.: 10/050,608

Filed: January 18, 2002

For: GENE DETECTION SYSTEM, GENE
DETECTION DEVICE USING SAME,
DETECTION METHOD, AND GENE
DETECTING CHIP

Group Art Unit: N/A

Examiner: Not Yet Assigned

TRANSMITTAL LETTER

Box Missing Parts
Commissioner for Patents
Washington, DC 20231

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced
Patent Application:

1. Fee Transmittal;
2. Response to Notice to File Missing Parts of Application (in duplicate);
3. Copy of the Notice to File Missing Parts of Nonprovisional Application;
4. Combined Declaration and Power of Attorney for Patent Application;
5. Statement Verifying the Accuracy of the English Translation of Japanese Patent
Application of the above-captioned application;

RECEIVED
JUN - 7 2002
TC 2800 MAIL ROOM

6. English translation of above-captioned application, filed in Japanese language on January 18, 2002 (40 pages);
7. Submission of the Formal Drawings;
8. Eight sheets of Formal Drawings (Figs. 1-3, 4(a), 4(b) and 5-8);
9. Claim for Priority under 35 U.S.C. 119 and Submission of Documents;
10. Certified copy of Japanese Application No. 2001-12415;
11. Check No. 295835 for \$1,298.00 to cover:
 - \$740.00 basic filing fee;
 - \$130.00 surcharge for late filing of the Declaration;
 - \$130.00 fee for non-English specification;
 - \$298.00 fee for additional claims; and
12. Return receipt postcard.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0740, under Docket No. 027929.101-US00. A duplicate copy of this paper is enclosed.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and

Application No.: 10/050,608

3

Docket No.: 027929.101-US00

any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 50-0740.

Dated: May 20, 2002

Respectfully submitted,

By 

Anthony S. Yoo

Registration No.: 45,540

COVINGTON & BURLING

1201 Pennsylvania Avenue, N.W.

Washington, DC 20004-2401

(202) 662-6000

#3

Docket No.: 027929.101-US00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tsumasa Ito

Application No.: 10/050,608

Group Art Unit: N/A

Filed: January 18, 2002

Examiner: Not Yet Assigned

For: GENE DETECTION SYSTEM, GENE
DETECTION DEVICE USING SAME,
DETECTION METHOD, AND GENE
DETECTING CHIP

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Box Missing Parts
Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Notice to File Missing Parts of Application – Filing Date Granted
mailed March 21, 2002, Applicant respectfully submits the following documents:

1. Fee Transmittal;
2. Copy of the Notice to File Missing Parts of Nonprovisional Application;
3. Combined Declaration and Power of Attorney for Patent Application;
4. Statement Verifying the Accuracy of the English Translation of Japanese Patent Application for the above-captioned application;
5. English translation of above-captioned application, filed in Japanese language on January 18, 2002 (40 pages);
6. Submission of the Formal Drawings;



10050608-052002

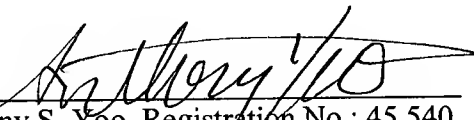
7. Eight sheets of Formal Drawings (Figs. 1-3, 4(a), 4(b) and 5-8);
8. Claim for Priority under 35 U.S.C. § 119 and Submission of Documents;
9. Certified copy of Japanese Application No. 2001-12415;
10. Check No. 295835 for \$1,298.00 to cover:
 - \$740.00 basic filing fee;
 - \$130.00 surcharge for late filing of Declaration;
 - \$130.00 fee for non-English specification;
 - \$298.00 fee for additional claims; and
11. Return receipt postcard.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 50-0740.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0740, under Docket No. 027929.101-US00. A duplicate copy of this paper is enclosed.

Dated: May 20, 2002

Respectfully submitted,

By 
Anthony S. Yoo, Registration No.: 45,540
COVINGTON & BURLING
1201 Pennsylvania Avenue, N.W.
Washington, DC 20004-2401
(202) 662-6000

2002508-052002

#5

Attorney Docket No.



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Tetsumasa ITO

Serial No. 10/050,608

Group Art Unit: N/A

Filed: January 18, 2002

Title: GENE DETECTION SYSTEM, GENE
DETECTION DEVICE USING SAME,
DETECTION METHOD, AND GENE DETECTING
CHIP

**STATEMENT VERIFYING THE ACCURACY OF THE ENGLISH
TRANSLATION OF JAPANESE PATENT APPLICATION**

Hon. Commissioner of Patents and Trademarks
Washington D.C. 20231

Sir:

The undersigned hereby declares and attests that the
attached English translation of the above-identified patent
application, filed in Japanese language on January 18, 2002,
is a true and accurate translation.

Date: April 10, 2002

Signed: Aya Suzuki

Printed Name: Aya Suzuki

10050608-052002

#4

Docket No.: 027929.101-US00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Patent Application of:
Tetsumasa Ito

Application No.: 10/050,608

Filed: January 18, 2002

Group Art Unit: N/A

Examiner: Not Yet Assigned

For: GENE DETECTION SYSTEM, GENE
DETECTION DEVICE USING SAME,
DETECTION METHOD, AND GENE
DETECTING CHIP

SUBMISSION OF FORMAL DRAWINGS

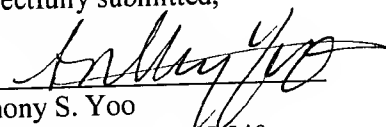
Commissioner for Patents
Washington, DC 20231

Dear Sir:

Submitted herewith are eight sheets (Figs. 1-3, 4(a), 4(b) and 5-8) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the drawings containing non-English text submitted with the originally filed application.

Dated: May 20, 2002

Respectfully submitted,

By 
Anthony S. Yoo
Registration No.: 45,540
COVINGTON & BURLING
1201 Pennsylvania Avenue, N.W.
Washington, DC 20004-2401
(202) 662-6000

10050608-052002

#3

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL
for FY 2002

Patent fees are subject to annual revision.

☐ Application claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **1,298.00****Complete if Known**

| | |
|----------------------|------------------------|
| Application Number | 10/050,608-Conf. #4635 |
| Filing Date | January 18, 2002 |
| First Named Inventor | Tetsumasa Ito |
| Examiner Name | Not Yet Assigned |
| Group Art Unit | N/A |
| Attorney Docket No. | 027929.101-US00 |

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit AccountDeposit Account Number **50-0740**Deposit Account Name **Covington & Burling**

The Commissioner is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 101 | 740 | 201 | 370 | Utility filing fee | 740.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$) **740.00****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 21 | -20** = 1 | 18.00 | 18.00 |
| Independent Claims | 2 | -3** = | 0.00 |
| Multiple Dependent | | 280.00 | 280.00 |

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
|----------|----------|----------|----------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |
| 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) **298.00**

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | 130.00 |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 139 | 130 | 139 | 130 | Non-English specification | 130.00 |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | |
| 143 | 460 | 243 | 230 | Design issue fee | |
| 144 | 620 | 244 | 310 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per priority (times number of priorities) | |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR 1.129(h)) | |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

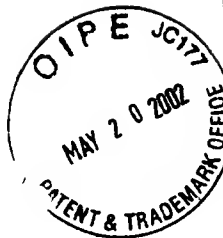
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **260.00****SUBMITTED BY**Name (Print/Type) **Anthony S. Yoo**

Registration No. (Attorney/Agent)

45,540**Complete (if applicable)**Telephone **(202) 662-6000**

Signature

Date **May 20, 2002**

#3



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 10/050,608 | 01/18/2002 | Tetsumasa Ito | 027929.00101-US00 |

CONFIRMATION NO. 4635

FORMALITIES LETTER



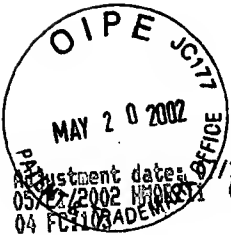
OC000000007692227

26853
COVINGTON & BURLING
ATTN: PATENT DOCKETING
1201 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, DC 20004-2401

05/21/2002 HTEARZIL 00000074 10050603

| | | |
|-----------|--------|----|
| 01 FC:101 | 740.00 | OF |
| 02 FC:105 | 130.00 | OF |
| 03 FC:139 | 130.00 | OF |
| 04 FC:103 | 18.00 | OF |
| 05 FC:104 | 200.00 | OF |

Date Mailed: 03/21/2002



NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The application was filed in a language other than English. Applicant is required to provide an English translation of the specification and a statement that the translation is accurate. (See 37 CFR 1.52(d)).
- Applicant must file an English translation of the application, the \$ 130 fee set forth in 37 CFR 1.17(i), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).
- **The balance due by applicant is \$ 1000.**
- Because your specification was filed in a language other than English, the Office was unable to determine the number of claims submitted. Additional claim fees may be due once the number of claims can be determined.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:

Repln. Ref: 07/16/2002 HTEKLEWI 0011214600
DAN:500740 Name/Number:10050608
FC: 704

■ 10050608 figures contain text that is not in English (including, for example, a flow chart

10050603-052002

that was originally not in English that has been marked up to include the English text)
see 37 CFR 1.84(p)(2) and 37 CFR 1.52(d)(1);

*A copy of this notice **MUST** be returned with the reply.*

Ayida Gaitan

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

200250-80905001